

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: January 21, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event The area received approximately 0.96-1.07 inches of precipitation on 1/14/05 with only other traces prior to the inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The inlet area near the Route 7 ramp is receiving obvious stormwater from both on site areas and off site roadways. The inlet remains protected. 1/21/05 - The earthen swale and surrounding areas are frozen at this time. Silt from the erosion and run-off had built up at the end of the swale as well as around the inlet but remains contained. 1/21/05 	<ul style="list-style-type: none"> -The silt fence remains secured with stone. Continue to monitor inlet and surrounding area and maintain these controls as necessary as there are surrounding sedimentation and stormwater issues. 1/21/05 - The earthen swale and surrounding area is still bare soil and should continue to be monitored and may require additional stabilization in the future. 12/30-1/21/05
Foundation construction	<ul style="list-style-type: none"> -Work continues on forming the walls for the GIS building. -Material has been stock piled but is well within the site and is contained by wall 2. 12/22-1/21/05. - Several small adjacent excavations are also underway. 1/21/05 - Work on structure footings for expanding the 115 kV line is occurring to the south of wall 3 but stockpiles are well within the yard. 12/30-1/21/05 	<ul style="list-style-type: none"> - None at this time. 1/21/05 - Areas are contained, none at this time. 1/21/05

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-1/21/05	- Continue to be proactive in silt fence repair and maintenance where needed.
	-The overflow channel continues to work well and conditions are snow covered and fairly frozen at this time. 1/21/05.	- None at this time. 1/13/05
	- The flared inlet near the Rt 7 ramp remains protected by haybale and silt fence controls. However, it does receive obvious stormwater flows and sediment has built up around the controls. 1/21/05	- Continue to monitor until stabilized as the surrounding area is still bare soil. Until vegetative cover establishes, the potential for sedimentation in this area remains 1/21/05
	- Concrete washouts remain in the contained pit in the center of the site as appropriate. 1/21/05	-Any activity creating concrete wash water should continue to be restricted to the pit. 1/21/05
	- The yard is under frozen conditions at this time. 1/21/05	-Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 1/21/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor. 12/16/04-1/13/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
	- Dewatering activities are	-No actions required at this

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Dewatering	complete at this time.	time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - There were no spills reported during the week or observed during inspection. 1/21/05 - The noted drips last week from the Galion were cleaned up around site but the machine had not been sufficiently repaired as a larger drip area was observed under it where it had been parked. 1/21/05 - The soil was going to be cleaned up and a pad placed under the machine until it could be repaired. 1/21/05 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-1/21/05 - The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-1/21/05

Next likely scheduled inspection:

Thursday, January 27, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: January 21, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received approximately 0.96-1.07 inches of precipitation on 1/14/05 with only other traces prior to the inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 1/13/05	- None at this time. 1/13/05
Foundation construction	-The major work of placing equipment on the recently constructed slab is ongoing and includes placement of adjacent poles. 1/21/05 - Excavation continues on the cable trench closer to the trailers. Contained stockpiles remain next to it and concrete has been poured in some portions. Work will eventually occur across the access area to the yard. 1/21/05	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water may require reinforcement of the berm here. The frozen conditions will prevent this work as well as reduce the need for it, but it could be completed when the snow melts. 1/07-1/21/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site is frozen at this time and mobile surface water is not an issue. Some minor areas of pooling water by the eastern perimeter fence where the berm is not as high may potentially cause a spillover when the area thaws. 1/21/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. Some gravel could be placed here to reinforce the berm which is low in this spot. This can be done following snow melt 1/07-1/21/05

Areas of Inspection	Observation	Recommended Action
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day. 9/16-1/21/05	-All stockpiles are well-contained. 1/21/05
	- The stone perimeter berm is well in place and contains the yard. All yard surfaces and water are frozen at this time. The low spot on could be reinforced following snow melt. 1/07-1/21/05	- The berm is working well at this time. Consider reinforcing the berm in the low spot as activities approach and when snow cover melts. 1/07-1/21/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-1/21/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-1/21/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering is not necessary at this time due to the frozen ground conditions.1/21/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No drips or spills were reported for the week. 1/21/05 - No spills or equipment drips were noted during the inspection. 1/21/05	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid

Areas of Inspection	Observation	Recommended Action
		leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Thursday, January 27, 2005

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View of the footings and excavation for the work south of wall #3 for the continued expansion of equipment. All areas and small stockpiles remain contained. 1/21/05



View of additional small areas of excavation adjacent to the continuing work on the GIS building forms. 1/21/05



The inlet is well enclosed at this time but obvious on site and off site (roadway) stormwater does drain to this area. The surrounding bare soil will require vegetative cover with the growing season. 1/21/05



Plumtree Substation: Work continues on the cable trench near the trailers where concrete has been poured. 1/21/05



The trench excavation continues towards the gate to the yard. 1/21/05



The site surface has frozen again and pooling water is not a problem at this time. 1/21/05